



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in the Application of:

#7

BRZOSTOWICZ ET AL

CASE NO.: CL1903 US NA

APPLICATION NO.: 09/941,947

GROUP ART UNIT: UNKNOWN

FILED: AUGUST 29, 2001

EXAMINER: UNKNOWN

FOR: CARTENOID PRODUCTION FROM A SINGLE CARBON SUBSTRATE

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
DEC 19 2001  
TECH CENTER 1600/2900

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08A and PTO/SB/08B. A copy of the information is also enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

**S. NEIL FELTHAM**

Attorney for Applicant(s)  
Registration No. 36,506  
Telephone: (302) 992-6460  
Facsimile: (302) 892-7949

Dated: 12/3/01

Enclosures

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail in an envelope address to: Asst. Commissioner for Patent, Washington, D.C. 20231, on this date.

12/4/01

Date

Mary Beth Pitcher

+

DEC 17 2001

U.S. DEPT. OF JUSTICE  
OFFICE OF THE ATTORNEY GENERAL

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
to respond to a collection of information unless it contains a valid OMB control number

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**RADEN**

**Complete if Known**

Application Number	09/941,947
Filing Date	AUGUST 29, 2001
First Named Inventor	BRZOSOWICZ
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	CL1903 US NA

1

9

of 2

Attorney Docket Number

CI 1903 LIS

[illegible][illegible]

\_\_\_\_\_

Please type a plus sign (+) inside this box →

DEC 17 2001

PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2 of 2

## **Complete if Known**

Application Number 09/941,947  
 Filing Date AUGUST 29, 2001  
 First Named Inventor BRZOSTOWICZ ET AL  
 Group Art Unit UNKNOWN  
 Examiner Name UNKNOWN  
 Attorney Docket Number CL1903 US NA

## **OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Armstrong, J. Bact. 176: pp. 4795-4802	
		Annu. Rev. Microbiol. 51: 629-659, 1997	
		Nellis and Leenheer, Appl. Bacteriol. 70:181-191, 1991	
		Farmer, W. R. and J. C. Liao, 2001, Biotechnol. Prog. 17: 57-61	
		Wang, C. et al., 2000 Biotechnol. Prog. 16: 922-926	
		Misawa, N. and H. Shimada, 1998, J. Biotechnol. 59: 169-181	
		Shimada, H. et al., 1998, Appl. Environm. Microbiol. 64: 2676-2680	
		Miura, Y. et al., 1998, Appl. Environm. Microbiol. 64: 1226-1229	
		Albrecht, M. et al., 1999, Biotechnol. Lett. 21: 791-795	
		Lidstrom and Stirling (Annu. Rev. Microbiol. 44:27-58, 1990	
		Murrell et al., Arch. Microbiol., 2000, 173(5-6), 325-332	
		Grigoryan, E. A., Kinet. Catal., 1999, 40(3), 350-363	
		Beschastnyi et al., Inst. Biochem. Physiol. Microor., Pushchino, Russia, Biokhimiya (Moscow) 1992, 57(8), pp. 1215-1221	
		Shishkina et al., Inst. Biokhim. Fiziol. Mikroorg., Pushchino, Russia, Mikrobiologiya, 1990, 59(4), 533-8	
		Trostenko et al., Studies on Phosphate metabolism in obligate methanotrophs, Fems Microbiology Reviews 87, 1990, pp. 267-272	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.